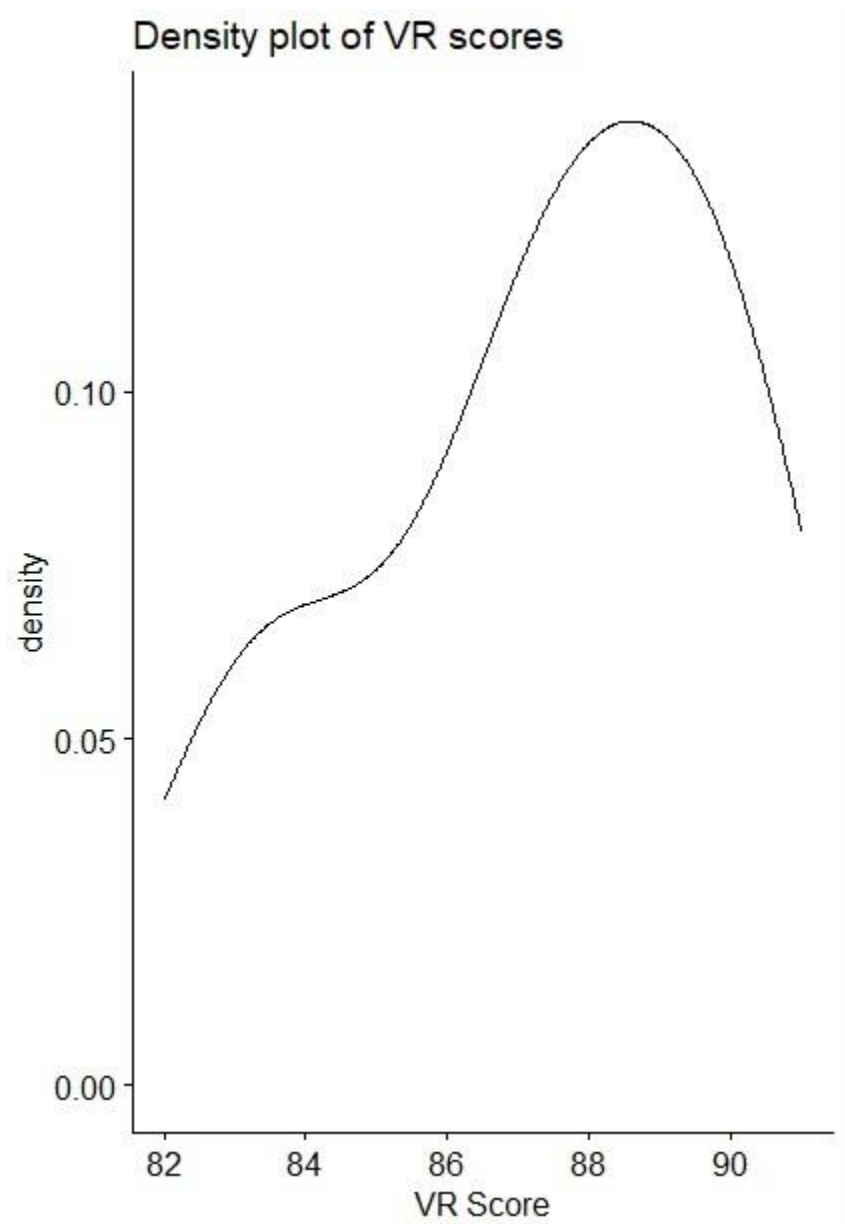


Quantitative Analysis & Results

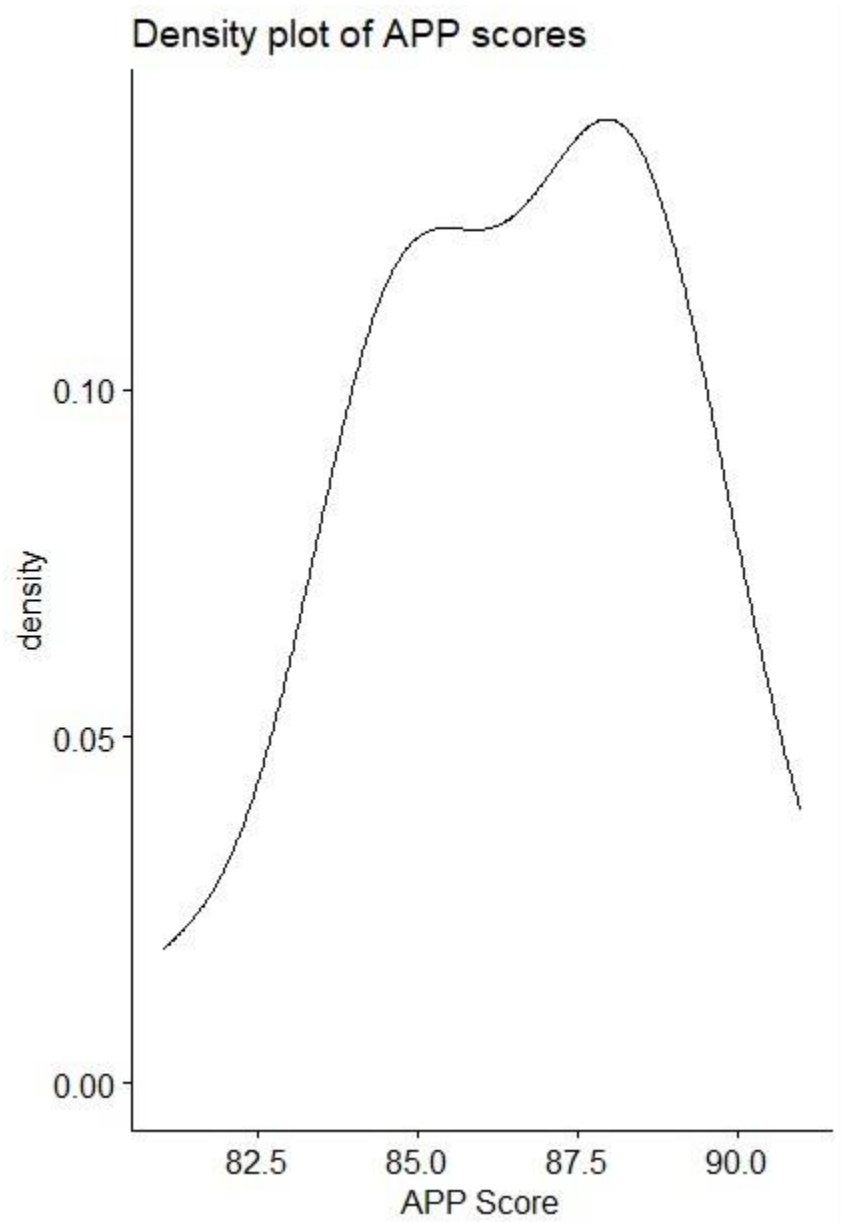
Participant	Initial Test Score	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Final Test Score	VR SUM	APP SUM	Difference between VR & APP
1	18/50	83	84	91	90	91	90	22/50	264	265	-1
2	19/50	89	87	84	87	89	90	23/50	266	260	6
3	13/50	85	88	82	87	89	89	16/50	259	261	-2
4	16/50	87	85	83	85	88	90	19/50	260	258	2
5	20/50	89	86	91	88	81	85	24/50	262	258	4
6	15/50	84	87	85	88	84	86	17/50	258	256	2
7	13/50	88	83	84	89	90	88	16/50	262	260	2
8	16/50	86	89	87	86	88	88	19/50	264	260	4

Formatted Data - Sheet two from Data Collection Sheet

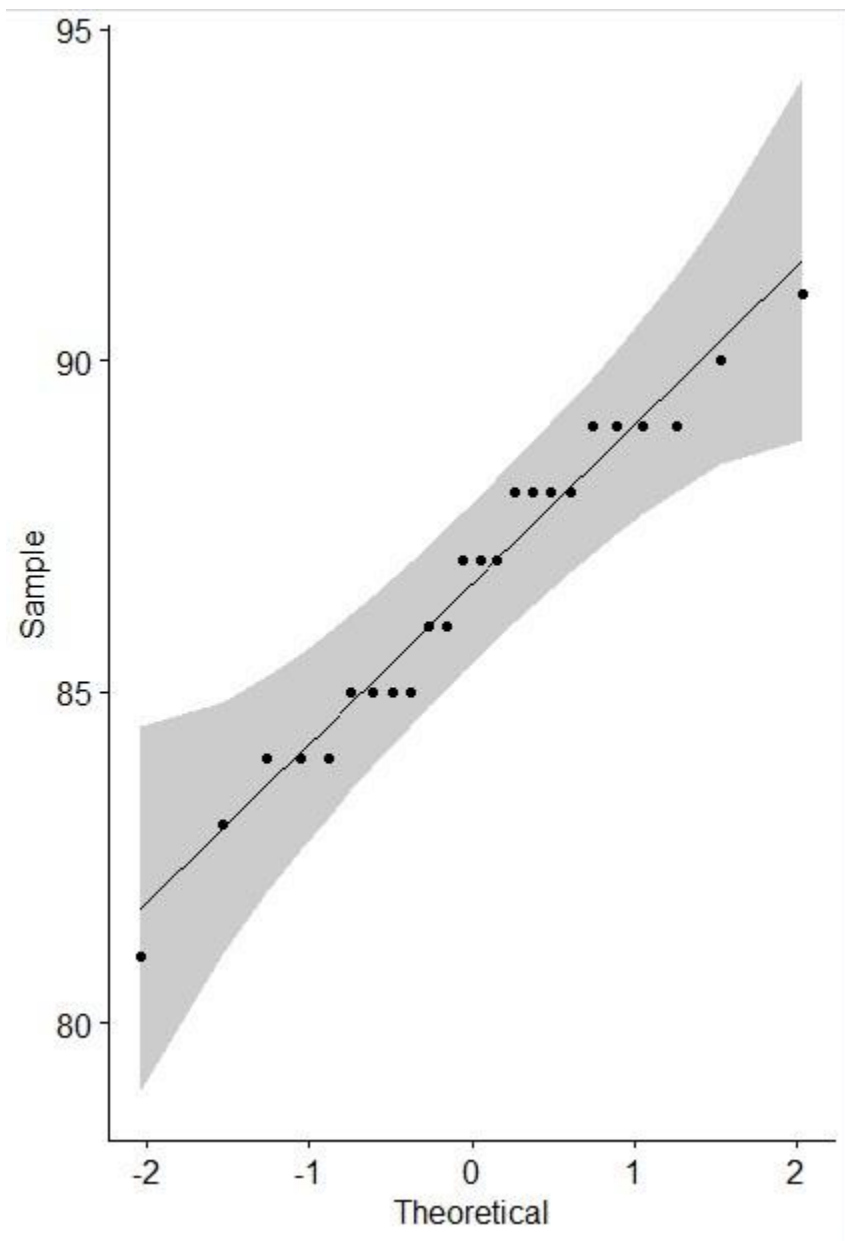
	VR Scores
	App Scores



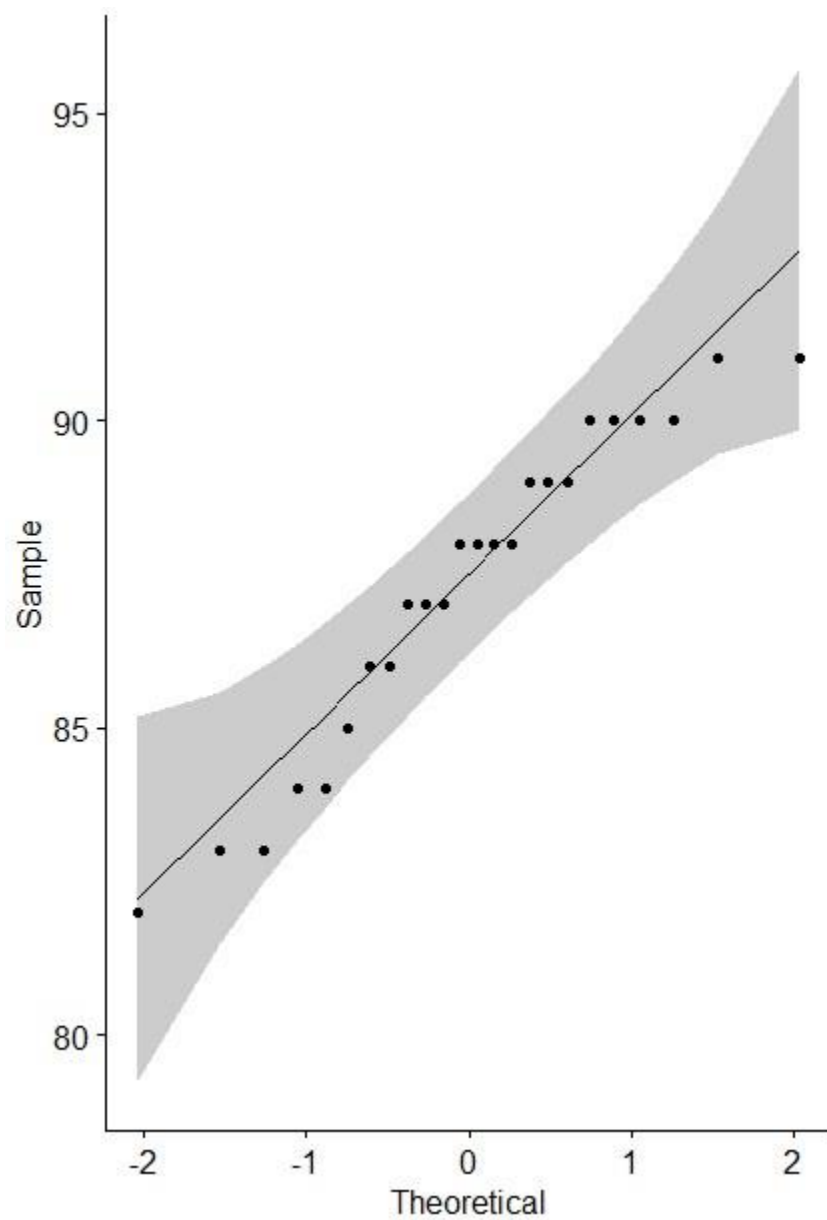
VR Score Histogram



APP Score Histogram



APP Score Q-Q plot



VR Score Q-Q plot

```
shapiro-wilk normality test
```

```
data:  scores$APP  
w = 0.96989, p-value = 0.6644
```

APP ScoreShapiro-Wilk normality test

shapiro-wilk normality test

```
data: scores$VR  
W = 0.93649, p-value = 0.1362
```

VR Score Shapiro-Wilk normality test

Two Sample t-test

```
data: scores$VR and scores$APP  
t = 0.95956, df = 46, p-value = 0.3423  
alternative hypothesis: true difference in means is not equal to 0  
95 percent confidence interval:  
-0.7775497 2.1942163  
sample estimates:  
mean of x mean of y  
87.29167 86.58333
```

Two Sample t-test

Participant	Initial Test Score	Final Test Score	Percentage change in Initial Test vs Final Test
1	18/50	22/50	8%
2	19/50	23/50	8%
3	13/50	16/50	8%
4	16/50	19/50	6%
5	20/50	24/50	8%
6	15/50	17/50	4%
7	13/50	16/50	6%
8	16/50	19/50	6%